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File: DWPI

Aug 10, 2000

DERWENT-ACC-NO: 2000-648441  
DERWENT-WEEK: 200063  
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TITLE: Tire damage detection system for cars uses acoustic sensors in the wheel rims

INVENTOR: TOMALLA, G

PATENT-ASSIGNEE:

ASSIGNEE	CODE
TOMALLA J	TOMAI

PRIORITY-DATA: 1999DE-1017360 (April 16, 1999)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> <u>DE 20006944 U1</u>	August 10, 2000		010	G01H001/00
<input type="checkbox"/> <u>DE 19917360 A1</u>	October 19, 2000		000	G01H001/00

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
DE 20006944U1	April 14, 2000	2000DE-2006944	
DE 19917360A1	April 16, 1999	1999DE-1017360	

INT-CL (IPC): B60 C 23/02; G01 H 1/00; G01 L 17/00; G01 M 17/02; G08 C 17/00

ABSTRACTED-PUB-NO: DE 20006944U

## BASIC-ABSTRACT:

NOVELTY - The tire damage detection system has acoustic sensors (1-4) in the car wheel rim which send data by a radio link to a central analysis unit (5) which compares the road noise of the tires and can display (6) a warning if any tire differs for a long time.

USE - Detection of tire damage in cars.

ADVANTAGE - Tire damage can be detected whilst in motion and before rupture occurs. Noises common to all tires are ignored.

DESCRIPTION OF DRAWING(S) - The drawing is a block diagram of the system.

Acoustic sensors 1-4

Central analysis unit 5

Display unit 6

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: DAMAGE DETECT SYSTEM CAR ACOUSTIC SENSE WHEEL RIM

DERWENT-CLASS: Q11 S02 S03 W05 X22

EPI-CODES: S02-E; S02-F04C; S02-J02A; S03-E01; W05-D04A5; W05-D07D; X22-E02B;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N2000-480673